

Applicant: Girton, Timothy S.
Application Serial No.: 09/704,494
Filing Date: November 2, 2000
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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6 (canceled).

Claim 7 (previously presented): A method of covering an endoprosthesis device comprising the steps of:

- providing an elongate radially expandable tubular stent;
- providing a polytetrafluoroethylene having no node and fibril structure;
- imparting porosity to said polytetrafluoroethylene by extracting siloxane from an interpenetrating network of siloxane and polytetrafluoroethylene;
- forming a stent cover from said porous polytetrafluoroethylene; and
- applying said stent cover to an interior surface and exterior surface, or both of said stent wherein said stent cover extends along a longitudinal stent axis.

Claim 8 (original): The method of Claim 7 wherein said stent cover is applied to said interior surface and to said exterior surface of said stent.

Claim 9 (original): The method of Claim 7 wherein said stent cover is fixed to said stent using an adhesive.

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Claim 10 (previously presented): The method of Claim 9 wherein said adhesive is selected from the group consisting of polyurethanes, epoxies, cyanoacrylates, polyamides, polyimides, and silicones.

Claim 11 (original): The method of Claim 7 wherein said stent cover is fixed to said stent by a welding process, said welding process comprising heating the polytetrafluoroethylene stent cover to a temperature that is greater than the sintering temperature of the polytetrafluoroethylene.

Claim 12 (canceled).

Claims 13-17 (canceled).

Claim 18 (new): The method of claim 7 wherein said siloxane is polydimethylsiloxane.